Features:

- Low Optical Insertion Loss
- Cost-effective WDM technology
- Terminates 1310 and CWDM Grid wavelengths
- Dual SC or LC connectors for interfacing
- Compatible with CWDM MUX/DEMUX Family
- Reliable passive WDM optical technology
- Ring or point-to-point applications
- Low-profile modular design
- Fits in 1RU 19” rack mount chassis
- Compliance with RoHS

1310/CWDM MUX/DEMUX Plug-in Module

The Finisar 1310/CWDM MUX/DEMUX plug-in module is a passive optical multiplexer/demultiplexer designed for metro access applications. The 1310/CWDM MUX/DEMUX plug-in module multiplexes and demultiplexes a single 1310nm wavelength and the complete CWDM wavelength grid from a two-fiber circuit. Finisar’s design allows the creation of cost-effective unidirectional network traffic rings or point-to-point links. Multiplexed wavelengths are interfaced to any of Finisar’s CWDM transceivers on the equipment side. The CWDM port covers the entire grid of eight CWDM wavelengths.

The 1310/CWDM MUX/DEMUX plug-in module plugs into one half of a 1RU, 19” rack mount chassis for simple installation and modularity. This Chassis based system allows a network equipment manufacturer to add WDM capability to any existing network device that supports GBIC and SFP interfaces.

The Finisar MUX/DEMUX delivers dramatic cost savings to network equipment manufacturers, enabling them to develop metro access systems that are lower in cost, easier to provision and simpler to operate. The 1310/CWDM MUX/DEMUX plug-in module is the perfect choice for adding more bandwidth and services to existing SONET/SDH networks.

1310/CWDM MUX/DEMUX Plug-in Module

Specifications

Mechanical

Dimensions: 8.3” x 1.7” x 10.4”, 210mm x 43mm x 264mm, plug-in for 1RU rack-mount

Connectors:
- Network side: 1 dual SC/PC or LC/PC
- Equipment side: 2 dual SC/PC or LC/PC

Optical Wavelengths Ports:
- MUX/DEMUX-1310/CWDM Plug-in
- 1310nm
- 1464.5nm to 1617.5 nm

Directivity: ≥ 55dB
Return Loss: ≥ 45dB
PDL: ≤ 0.15dB
PMD: ≤ 0.2ps

Environmental:
- Operating: 0 to 70°C
- Relative humidity: 10 to 85%, non-condensing
- Storage: -40 to 85°C
1310/CWDM MUX/DEMUX Plug-in Module Parameter Specifications

### 1310 Port

<table>
<thead>
<tr>
<th>Passband</th>
<th>Max Insertion Loss (dB)</th>
<th>Min Isolation (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Mux</td>
<td>Demux</td>
</tr>
<tr>
<td>1260nm-1360nm</td>
<td>1.10</td>
<td>1.10</td>
</tr>
</tbody>
</table>

### CWDM Grid Port

<table>
<thead>
<tr>
<th>Passband</th>
<th>Max Insertion Loss (dB)</th>
<th>Min Isolation (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Mux</td>
<td>Demux</td>
</tr>
<tr>
<td>1464.5nm-1617.5nm</td>
<td>0.80</td>
<td>0.80</td>
</tr>
</tbody>
</table>

*Note:* Connector loss included

### Front Panel

- **SC connector front panel**
- **LC connector front panel**

### Dimensions (Unit: inch)

### Ordering Information

<table>
<thead>
<tr>
<th>Part Number Description</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FWSF-M/D-1310/CWDM</td>
<td>1310/CWDM Wavelength MUX/DEMUX Plug-in Module for FWSF-CHASSIS-2, SC connectors</td>
</tr>
<tr>
<td>FWSF-M/D-1310/CWDM-LC</td>
<td>1310/CWDM Wavelength MUX/DEMUX Plug-in Module for FWSF-CHASSIS-2, LC connectors</td>
</tr>
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